
COVID-19 in Arizona

Week of November 16, 2020



ARIZONA DEPARTMENT
OF HEALTH SERVICES



Summary & Recommendations

Data Summary

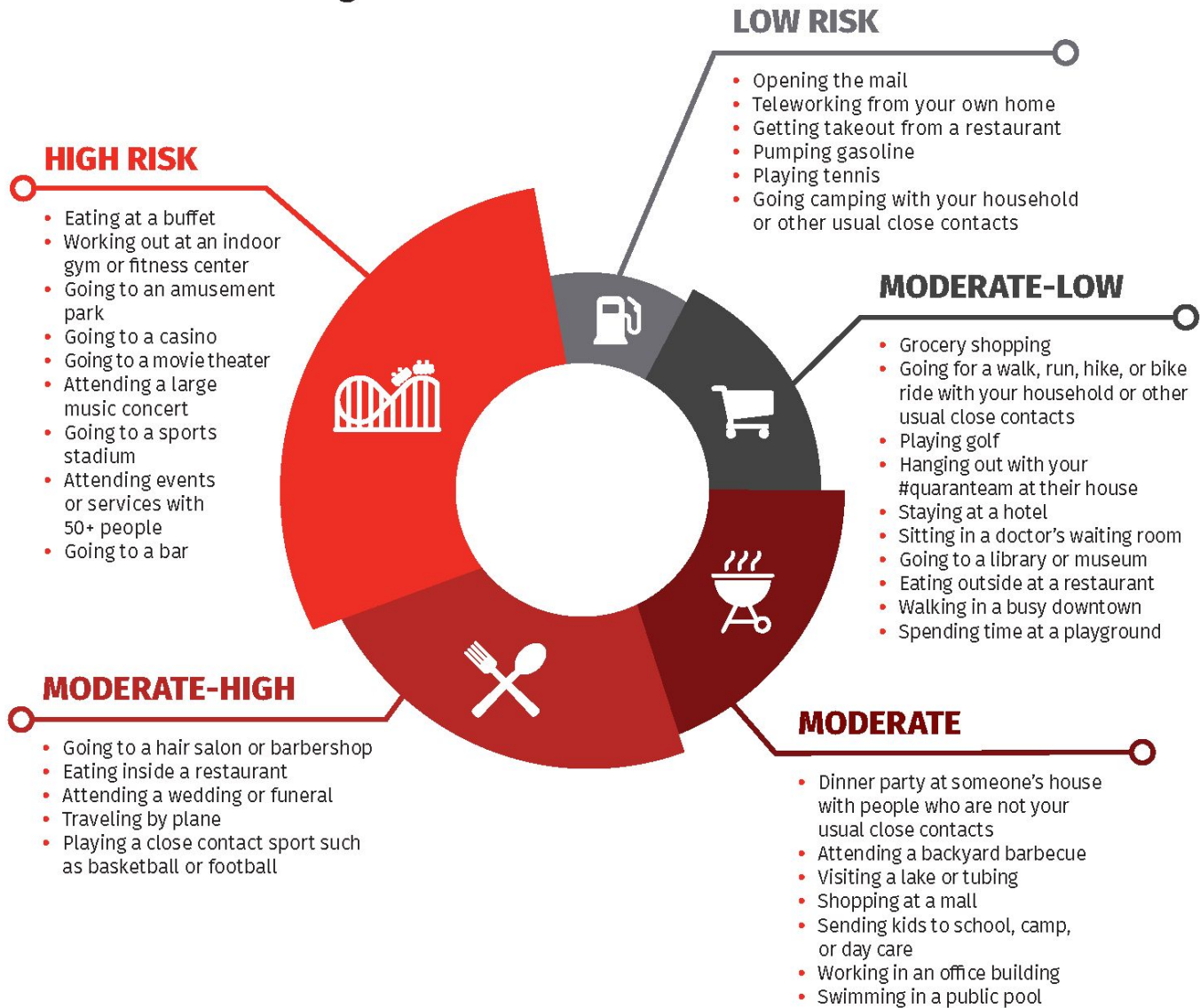
- Arizona is currently experiencing an increase in the number of cases and percent positivity.
- All 15 counties saw increased rates of COVID-19 in their communities.
- Percent positivity has continued to increase (11% the week of Nov. 8) indicating increased community spread.
- While the statewide metrics still meet the benchmarks for the moderate category of COVID-19 spread for [business](#) and [school](#) opening, we are seeing case rates, percent positivity, and COVID-Like Illness increase across all regions of the state.
- Last week, eight counties had two benchmark metrics in the substantial category of COVID-19 spread and every county had at least one benchmark (rate per 100,000) in the substantial category.
- Over the last week, the percentage of inpatient beds in use stayed at approximately 88%, with an average of 16% of inpatient beds being used for COVID-19 patients.
- Those over 65 years of age have the highest rate of hospitalization and death. While individuals between the ages of 20-44 account for the highest number of cases, they have a much lower rate of hospitalization and risk of death.

Recommendations

- **Following the COVID-19 mitigation strategies is critical** to protect the lives of Arizonans, ensure adequate hospital capacity, and keep Arizona's economy and schools open. Arizona has continued to see an increase in COVID-19 cases over the past several weeks, and these measures help stop the spread and flatten the curve:
 - **Wearing masks** when you are out in public places, **washing your hands** often with soap and water, and **physically distancing** at least 6 feet from others.
- With the holidays approaching, everyone must do their part. Limiting households that gather together, moving gatherings outdoors, wearing masks and allowing for physical distancing will help protect your loved ones who don't live with you.
- With the mild Arizona fall and winter weather, move activities and gatherings outdoors to encourage physical distancing and reduce transmission.
- Arizonans should wear masks and physically distance if attending small household gatherings with people who do not live in the same household, even if you are outside.
- Businesses should consider moving as much of their business outdoors as possible, including dining tables, gym classes, etc.
- Everyone plays a role in keeping Arizonans safe and our schools and businesses open. If an establishment is not complying with the COVID-19 mitigation strategies, please report the complaint to the ADHS COVID-19 compliance hotline at 1-844-410-2157 or online at azhealth.gov/complianceCOVID19.
- You are safer at home. Assess your risk each time you leave your home.

COVID-19 RISK INDEX

Know Your Risk During COVID-19



For ALL Activities:

- Stay home when you are sick or if you think you have been exposed
- Wear a mask when feasible
- Keep at least 6 ft between yourself and non-household members
- Wash your hands frequently

Parties Recreational Sports Receptions

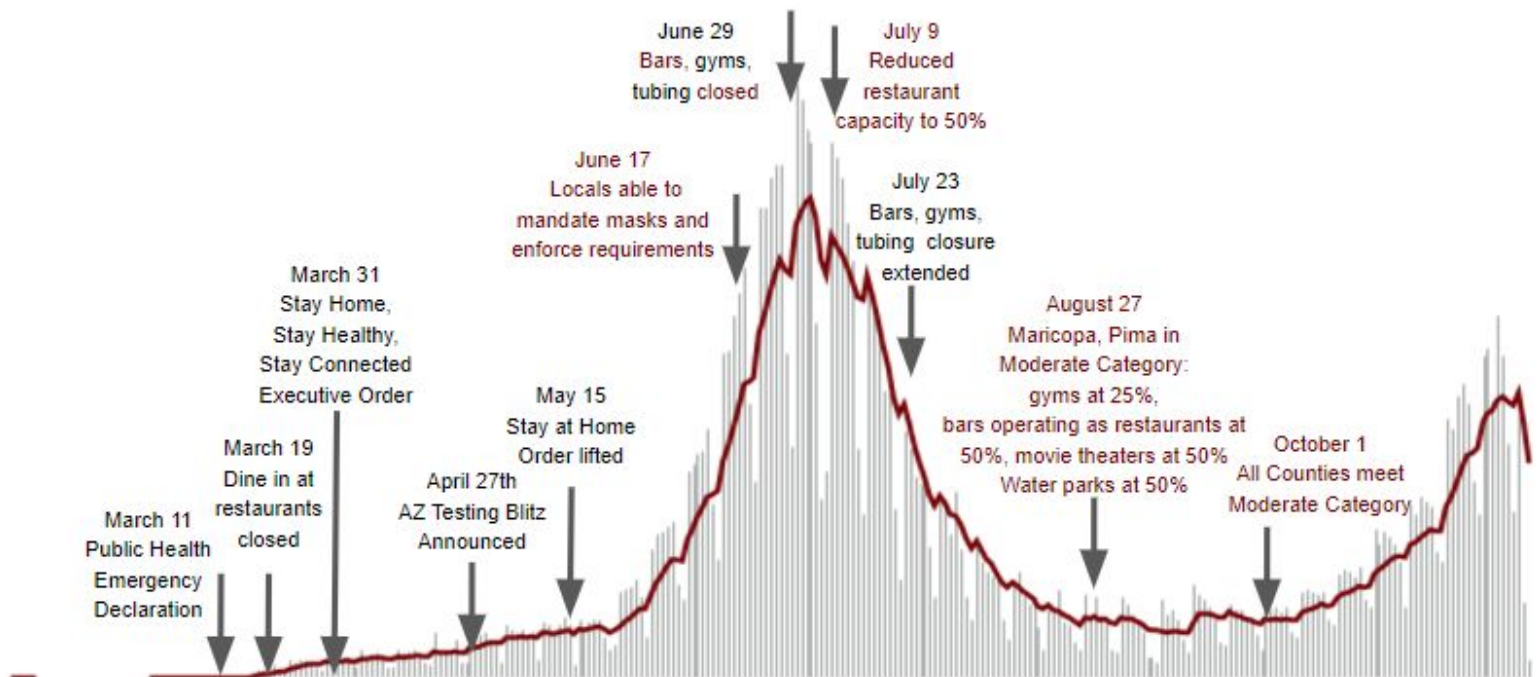
Some activities can run the entire risk spectrum. More people in a smaller space equals a higher risk.

For more information, visit: azhealth.gov/COVID19



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Arizona's COVID-19 Timeline

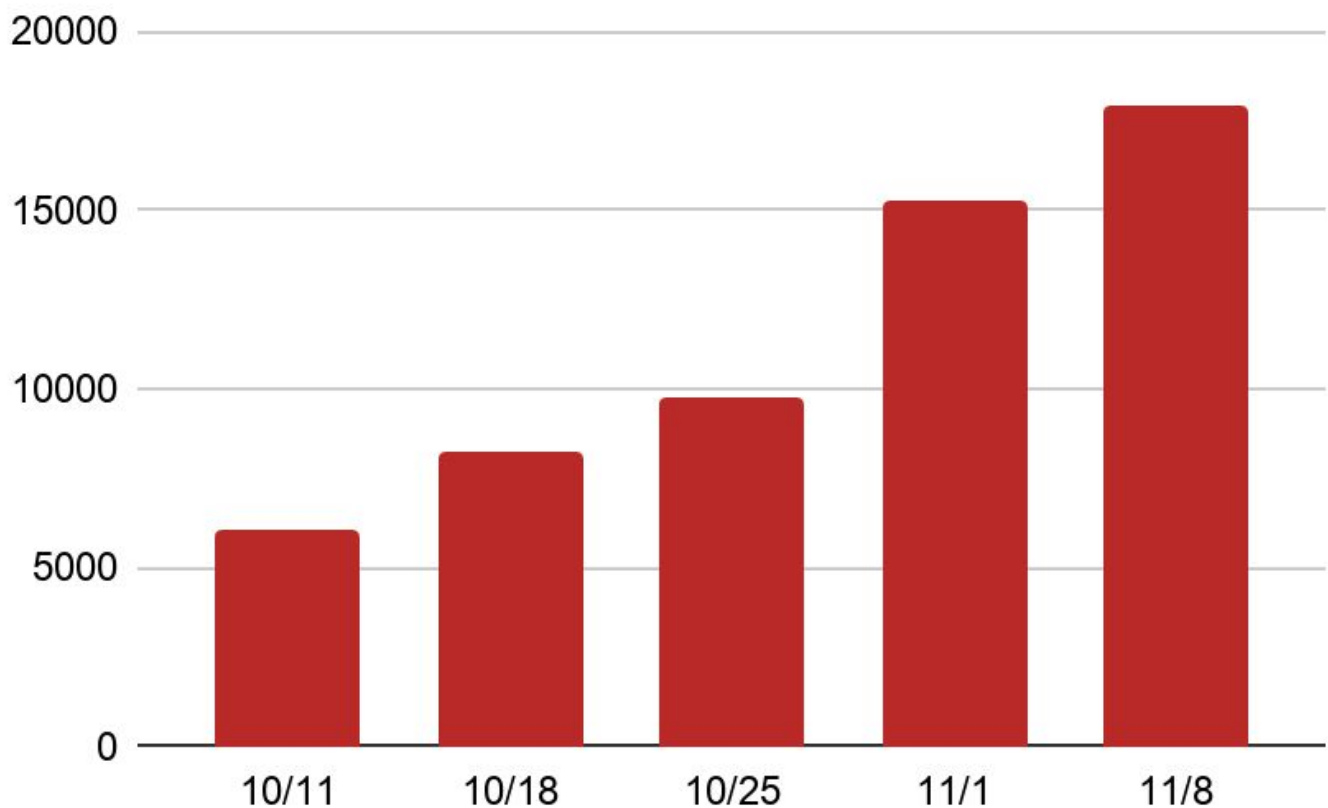


The first case occurred in January 2020, and Arizona saw the first wave of cases in June and July. Arizona's mitigation strategies implemented in June and July resulted in a **75% reduction in cases**. Strategies that are still in place are identified in red:

- **Implementation of local mask requirements**
- **Pausing of bars, nightclubs, indoor theaters, waterparks and tubing operators**
- **Requiring restaurants to operate at 50% capacity and implement COVID-19 mitigation measures**
- **Implementation of benchmarks for schools, restaurants, and paused businesses:**
 - Established occupancy limits/recommendations
 - Implemented requirements for COVID-19 mitigation strategies

COVID-19 Cases in Arizona

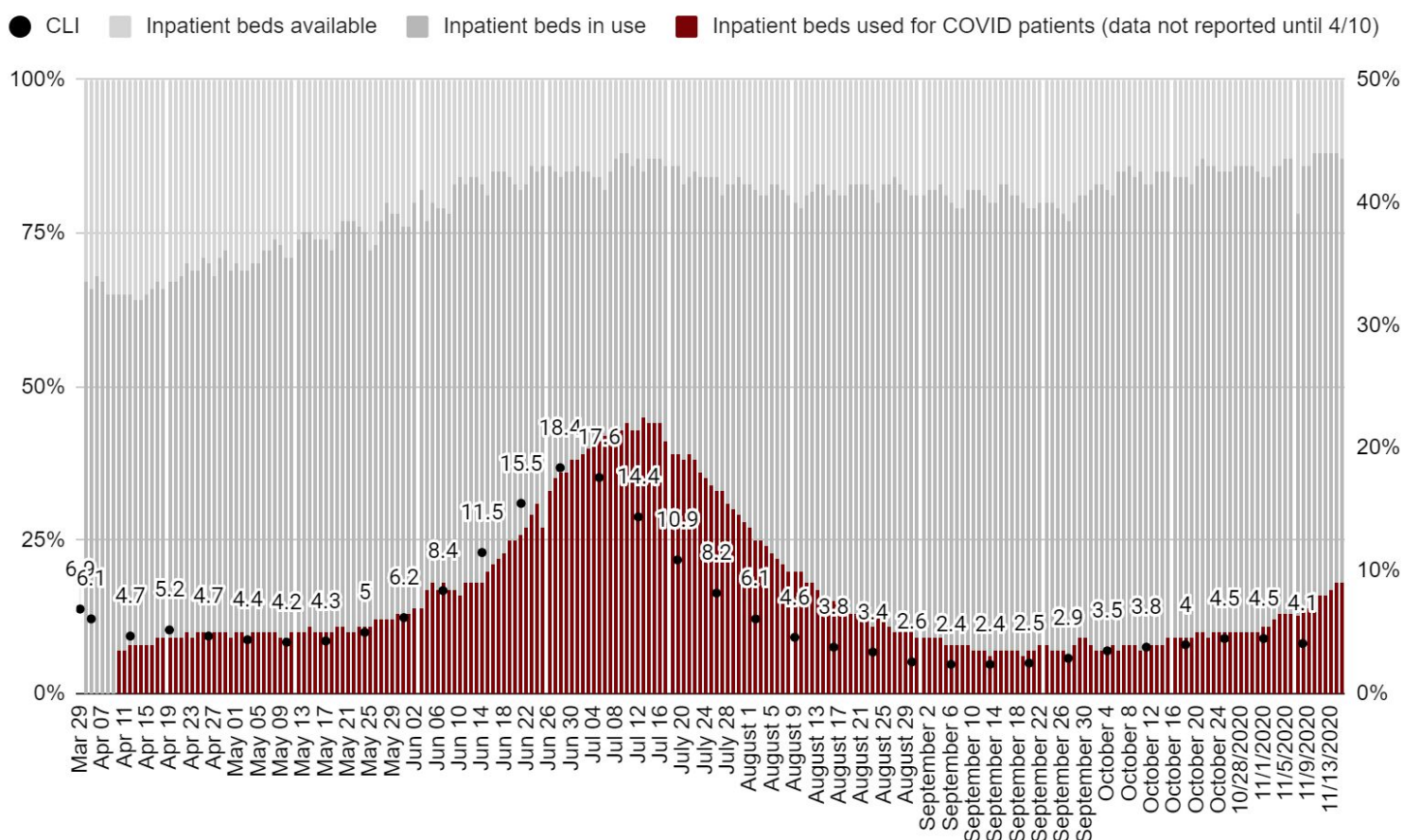
Five weeks ago, during the week of Oct, 11, just over 6,100 COVID-19 cases were reported in Arizona. Last week, almost 18,000 cases of COVID-19 were reported. This is a 194% increase.



CLI (COVID-Like-Illness) & Syndromic Surveillance

Syndromic surveillance is one of the many tools that public health uses to monitor COVID-19. Arizona has participated in this national system since 2014 and has coverage of participating facilities across the state. These facilities account for 90% of inpatient facilities and 87% of emergency departments statewide.

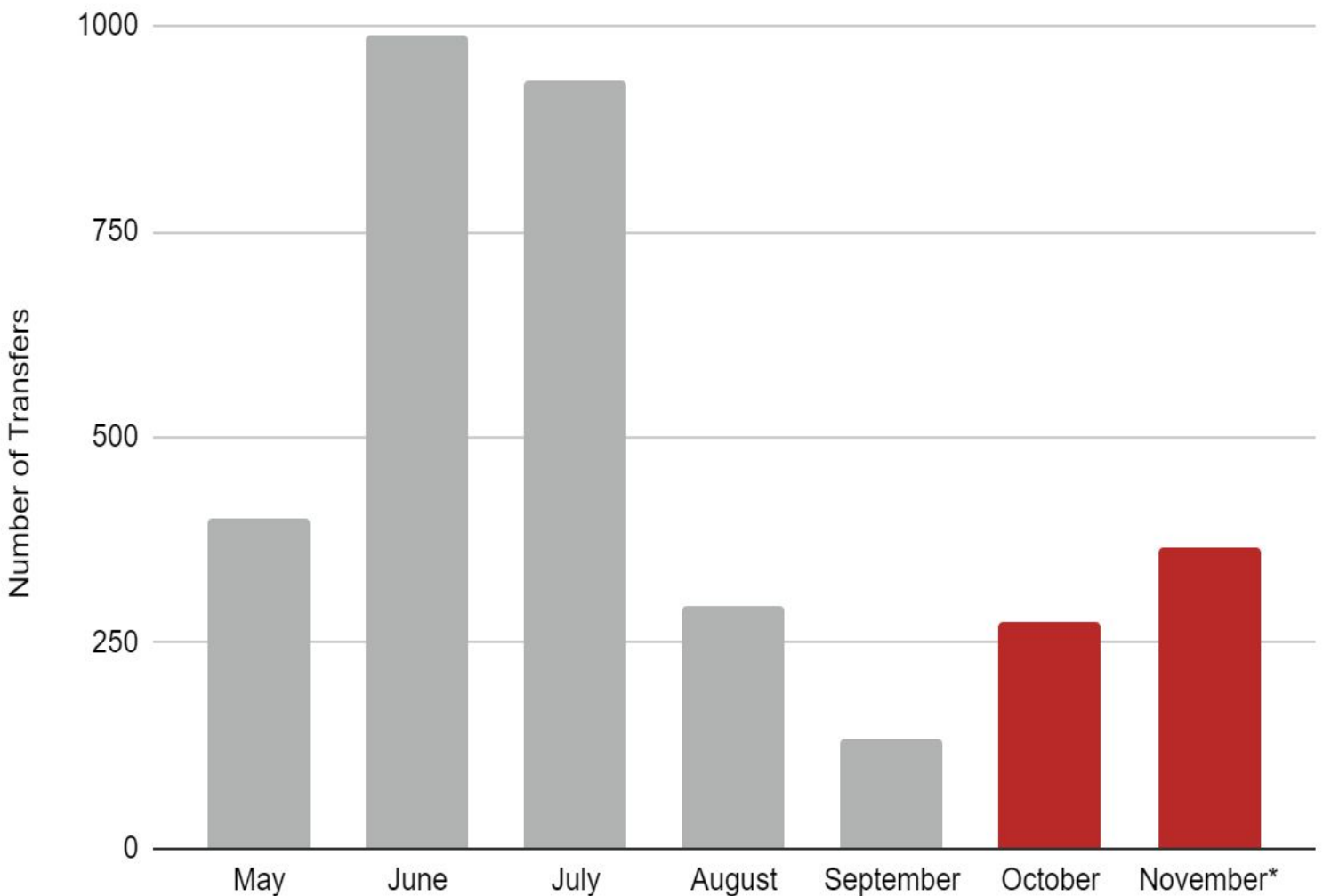
When the percent of emergency department visits and inpatient admissions due to COVID-like-illness (CLI) is overlaid on the chart of hospital self reports of inpatient bed capacity and occupancy, there is a strong correlation between these metrics. CLI appears more sensitive, identifying potential increases in COVID-19 hospital occupancy several days in advance.



Arizona Surge Line

The Arizona Surge Line is a centralized statewide system designed to keep hospitals and regions of Arizona from being overwhelmed by facilitating COVID-19 patient admission, transfer, and discharge to appropriate levels of care.

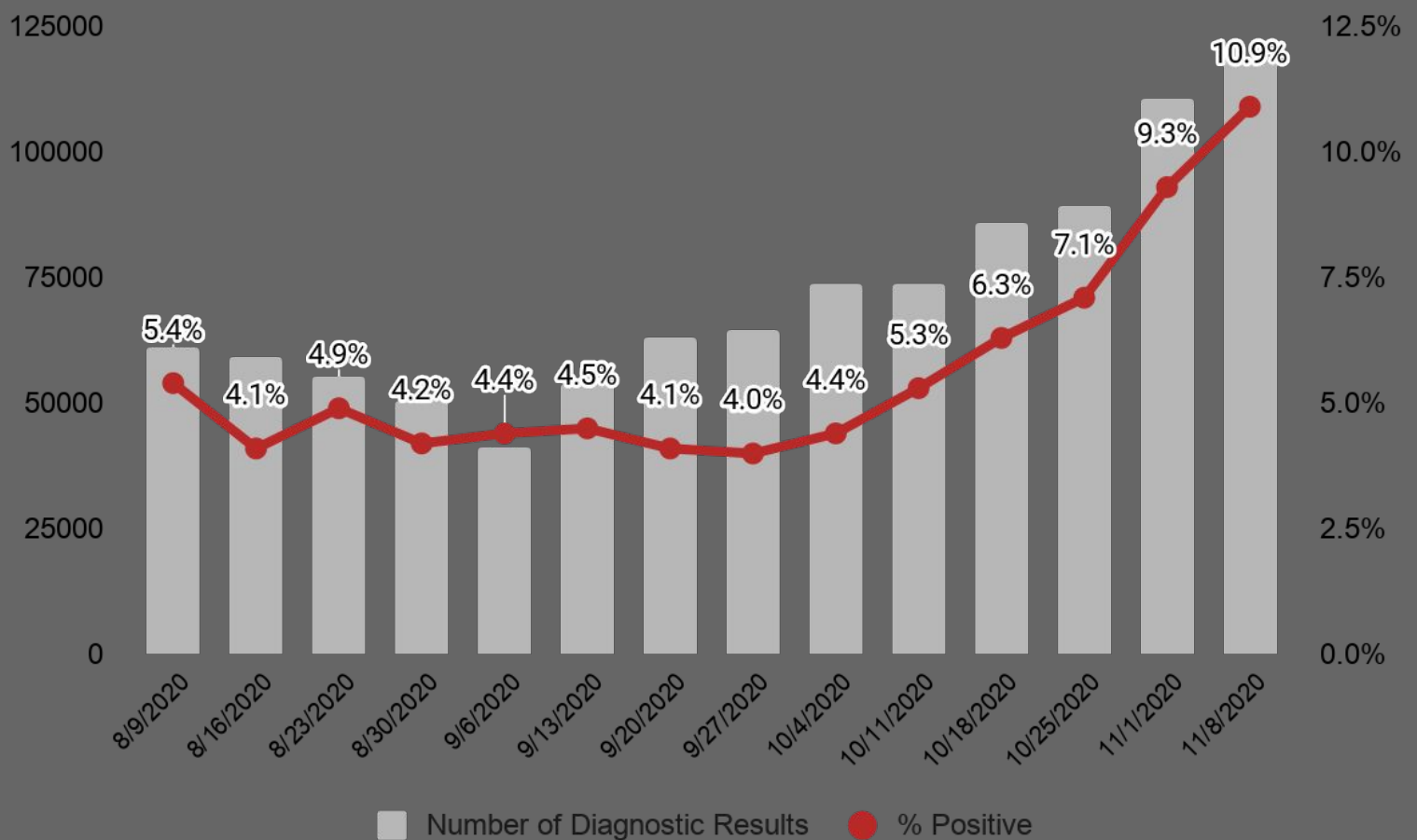
The number of transfers is a good indicator of the impact of COVID-19 cases on the healthcare system. Over the past two months, we have seen a steady increase in the number of transfers occurring.



*November data through 11/17/2020

Diagnostic Testing & Percent Positivity

The percent positivity in the last week, 10.9%, was the highest it has been since the end of July. The number of tests is the highest it has been since the beginning of the COVID-19 response in January.



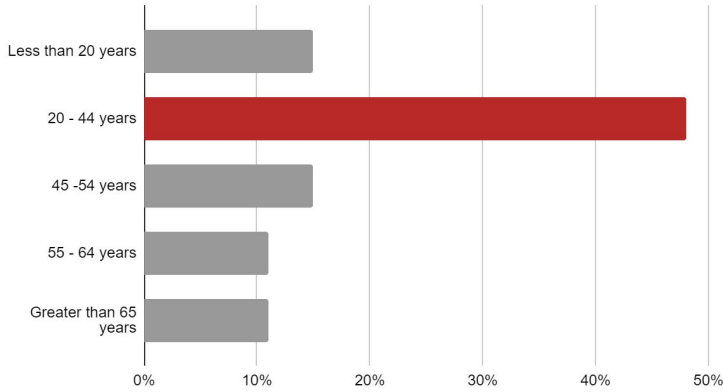
COVID-19 Age Groups

The chart below shows the number of COVID-19 cases by specific age groups over the last month. The highest number of cases continues to be reported in the 20- to 44-year-old age group. The trend in the 20-44 years age group is similar to the trends seen in the beginning of June.

	Less than 20 years	20 - 44 years	45 - 54 years	55 - 64 years	Greater than 65 years
10/11/2020	1,140	2,707	872	682	702
10/18/2020	1,481	3,544	1242	954	969
10/25/2020	1,895	4,164	1,443	1111	1,130
11/1/2020	2,974	6,815	2,132	1,641	1,721
11/8/2020	3,324	7,793	2,687	2,012	2,138

COVID-19 Outcomes

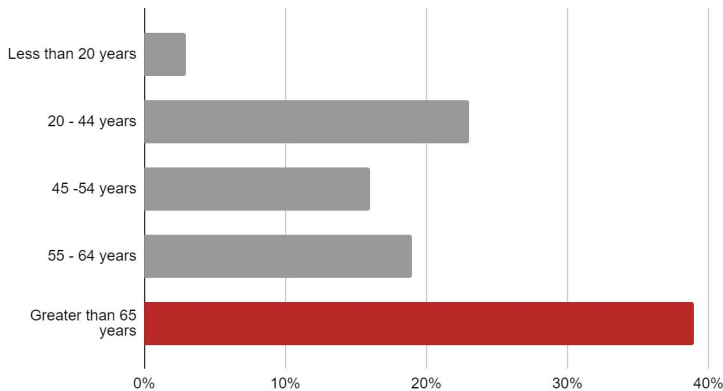
COVID-19 Cases



Cases

Individuals between 20-44 years old account for nearly half of all cases, while those over 65 account for only 11%.

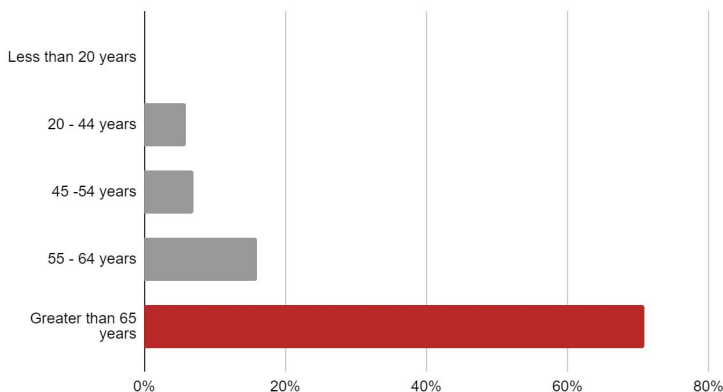
COVID-19 Hospitalizations



Hospitalizations

Individuals over the age of 65 experience the highest hospitalization rate.

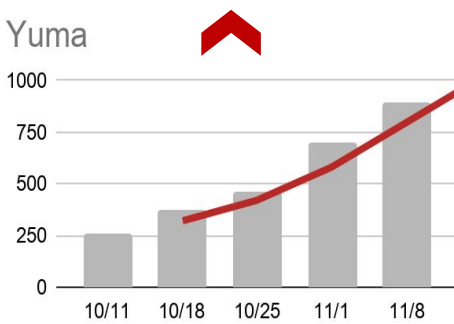
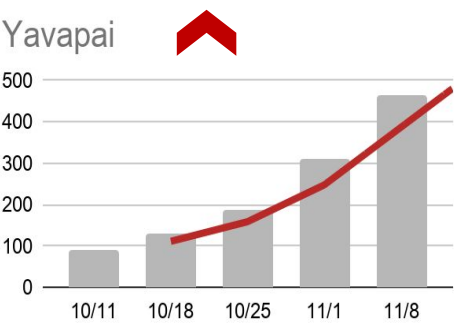
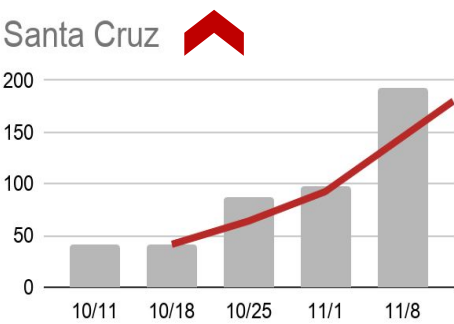
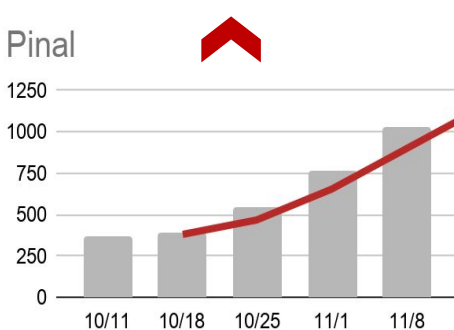
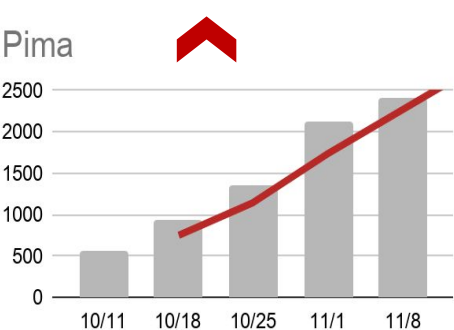
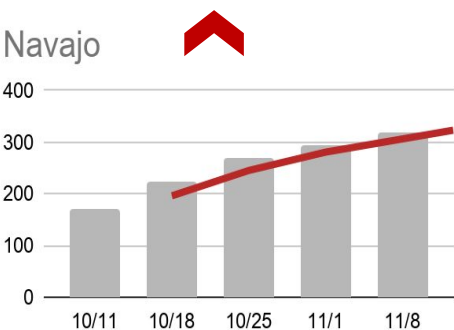
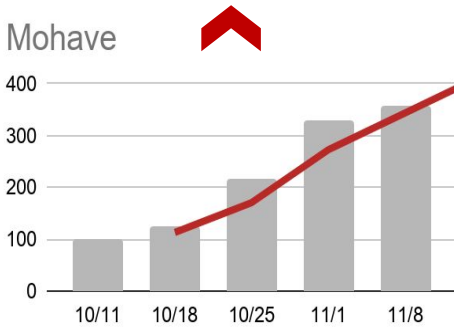
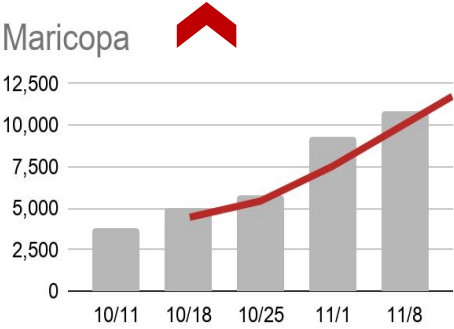
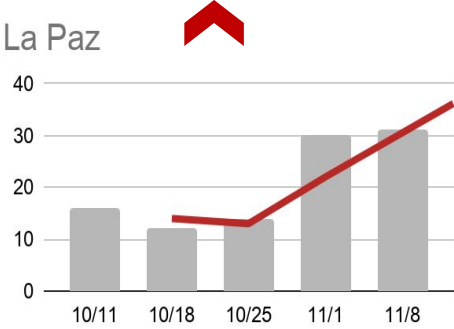
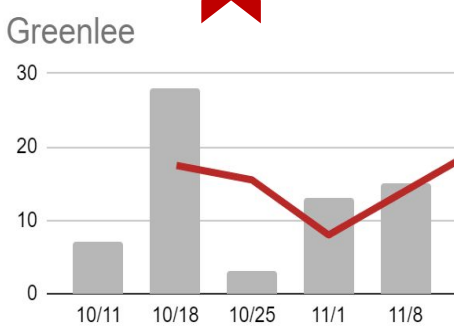
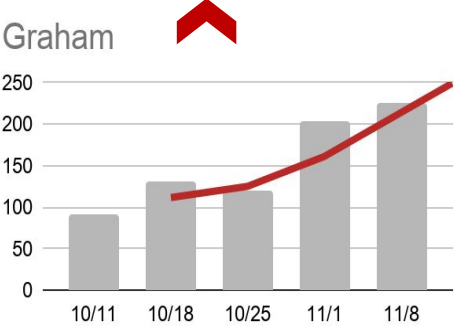
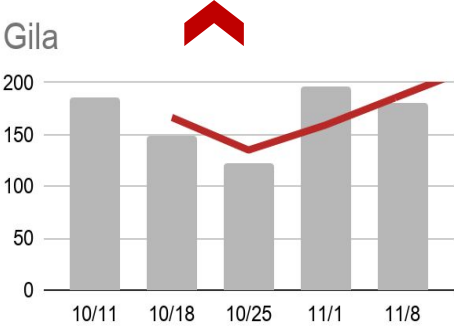
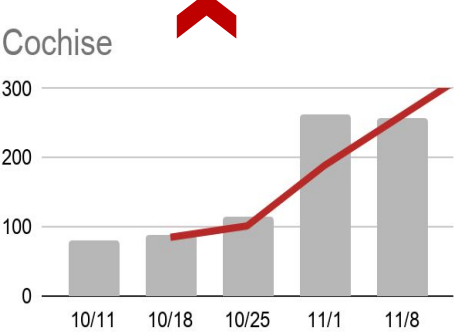
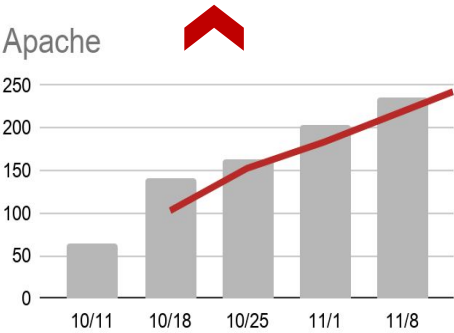
COVID-19 Deaths



Deaths

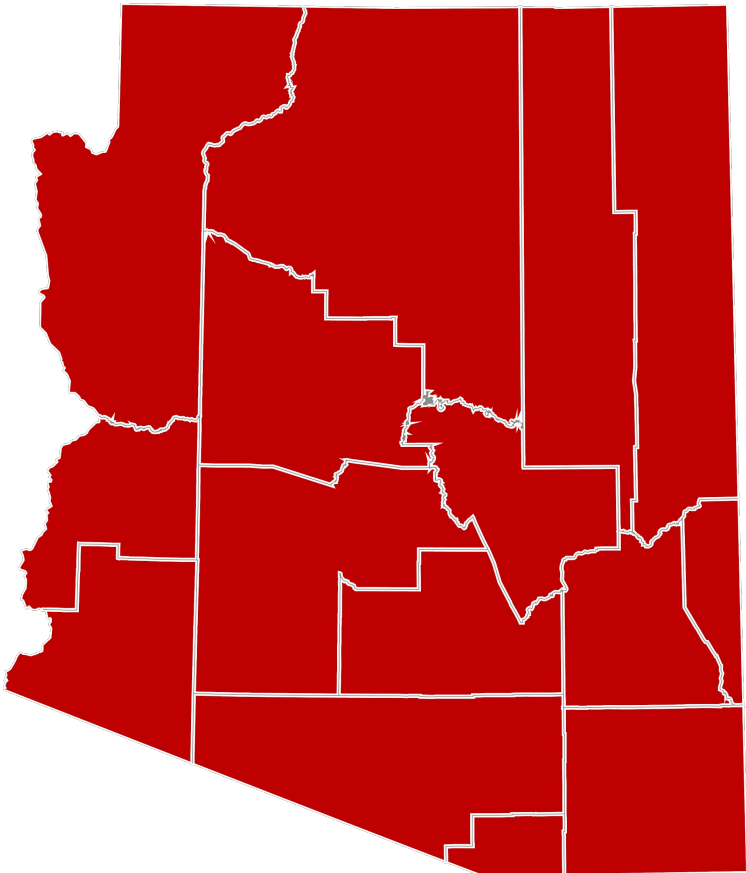
While those over 65 years of age account for only 11% of cases, they have the highest risk of death. Those under 44 years of age have the lowest risk of death.

COVID-19 Cases by County

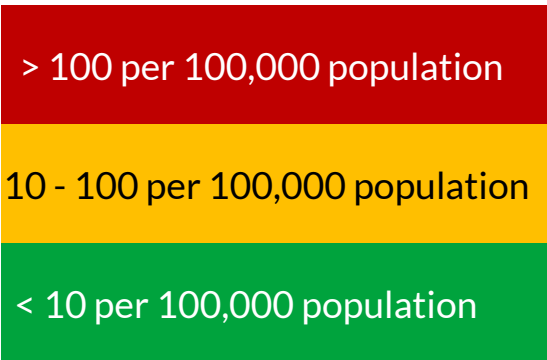
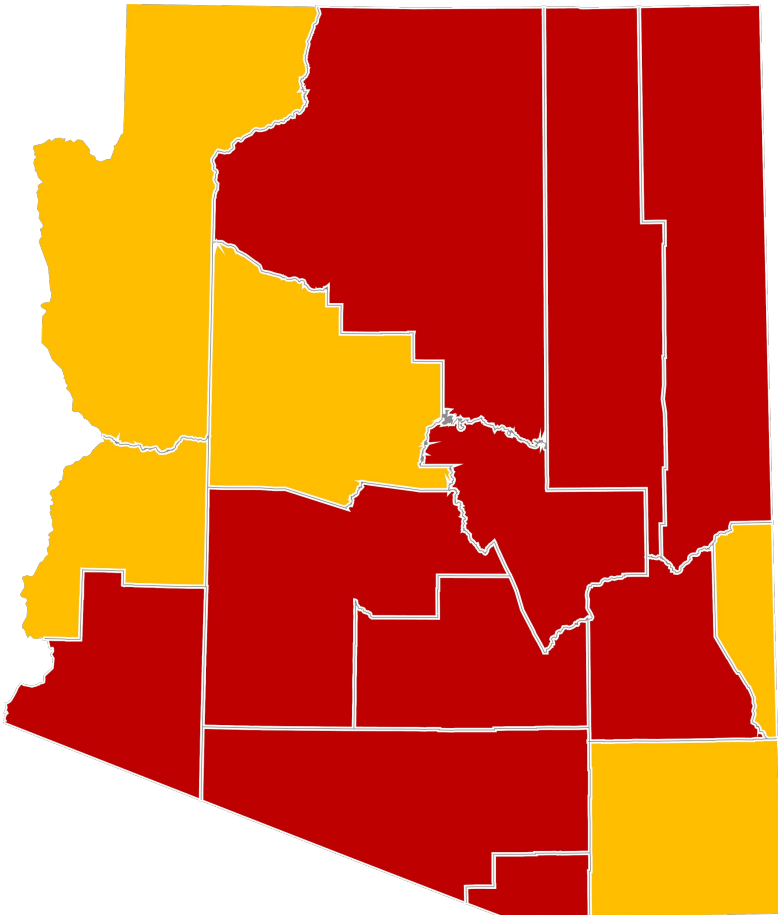


Case Rates by County

Previous Week
Week of Nov. 8 , 2020

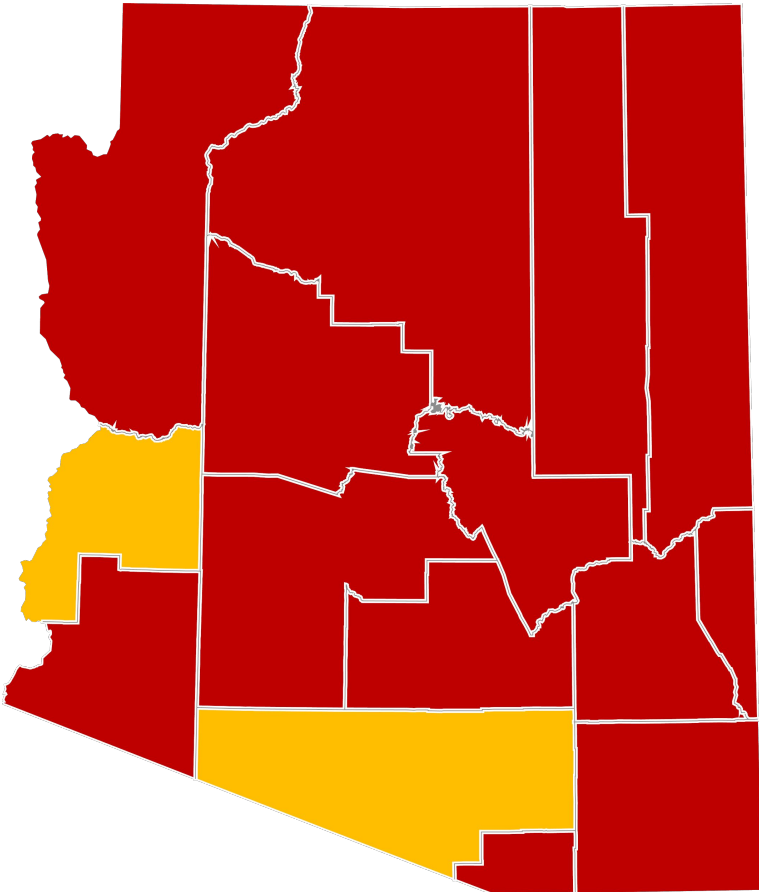


Two Weeks Prior
Week of Oct. 25, 2020

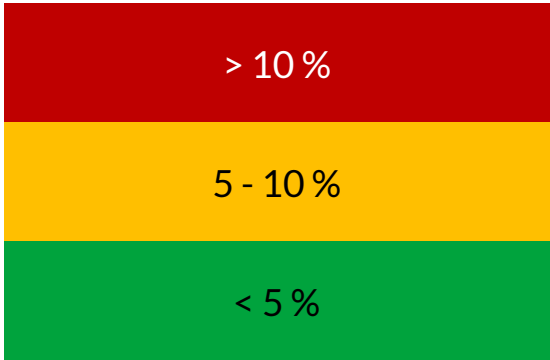
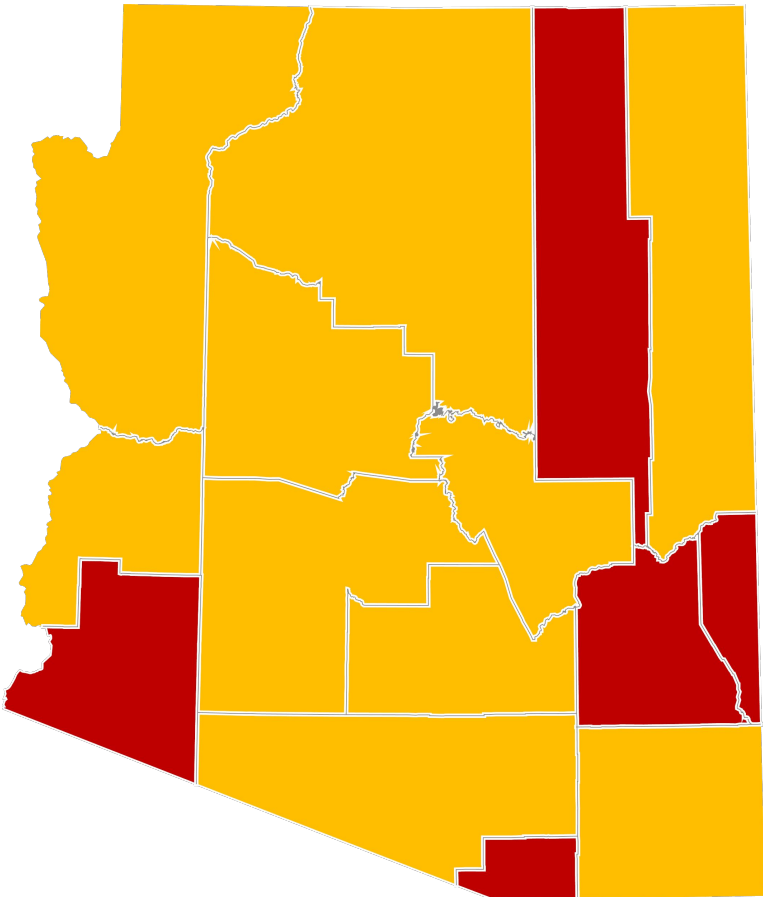


Percent Positivity by County

Previous Week
Week of Nov. 8 , 2020

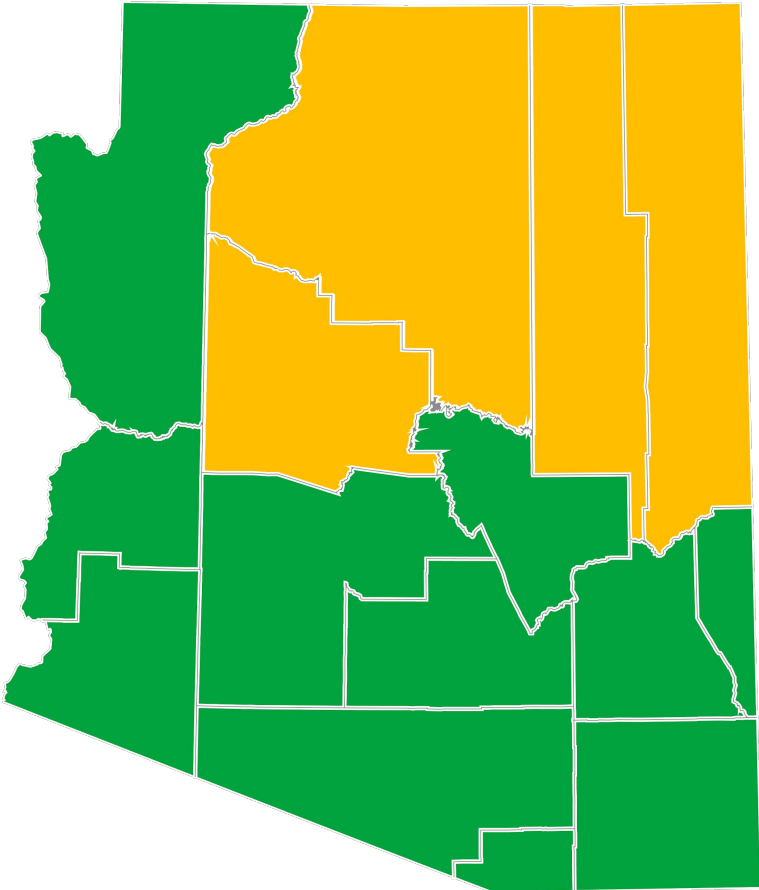


Two Weeks Prior
Week of Oct. 25, 2020

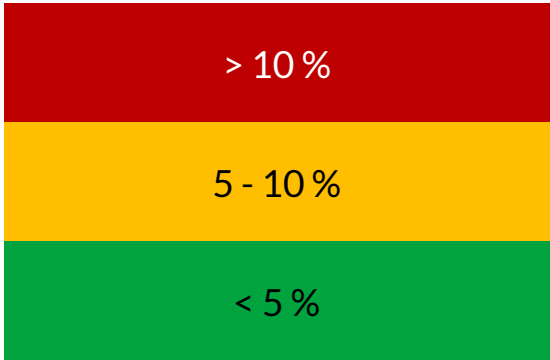
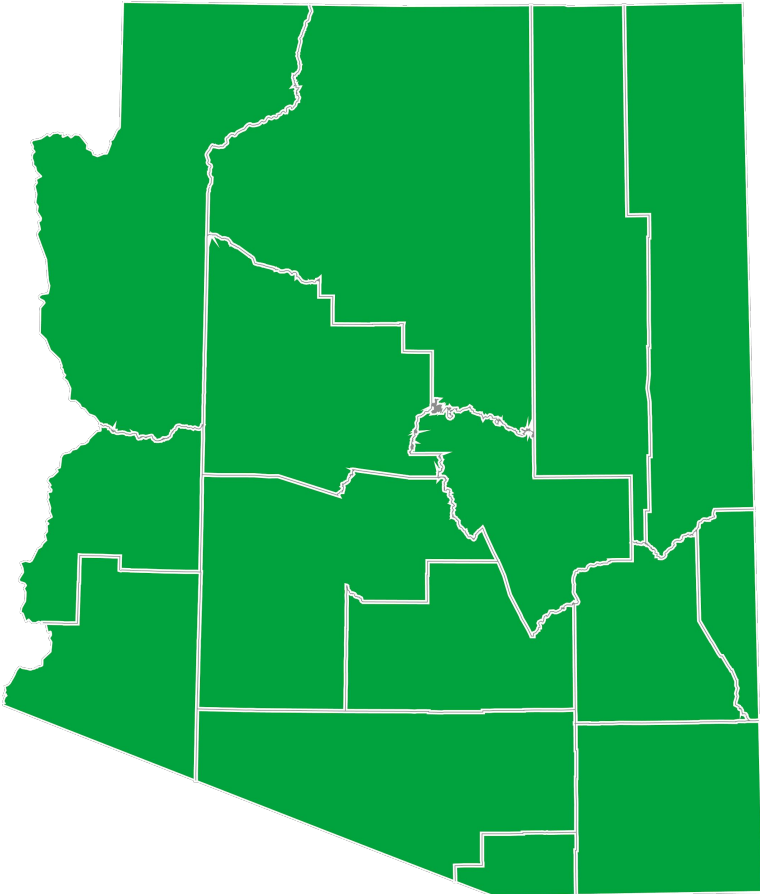


COVID-like Illness by County

Previous Week
Week of Nov. 8 , 2020

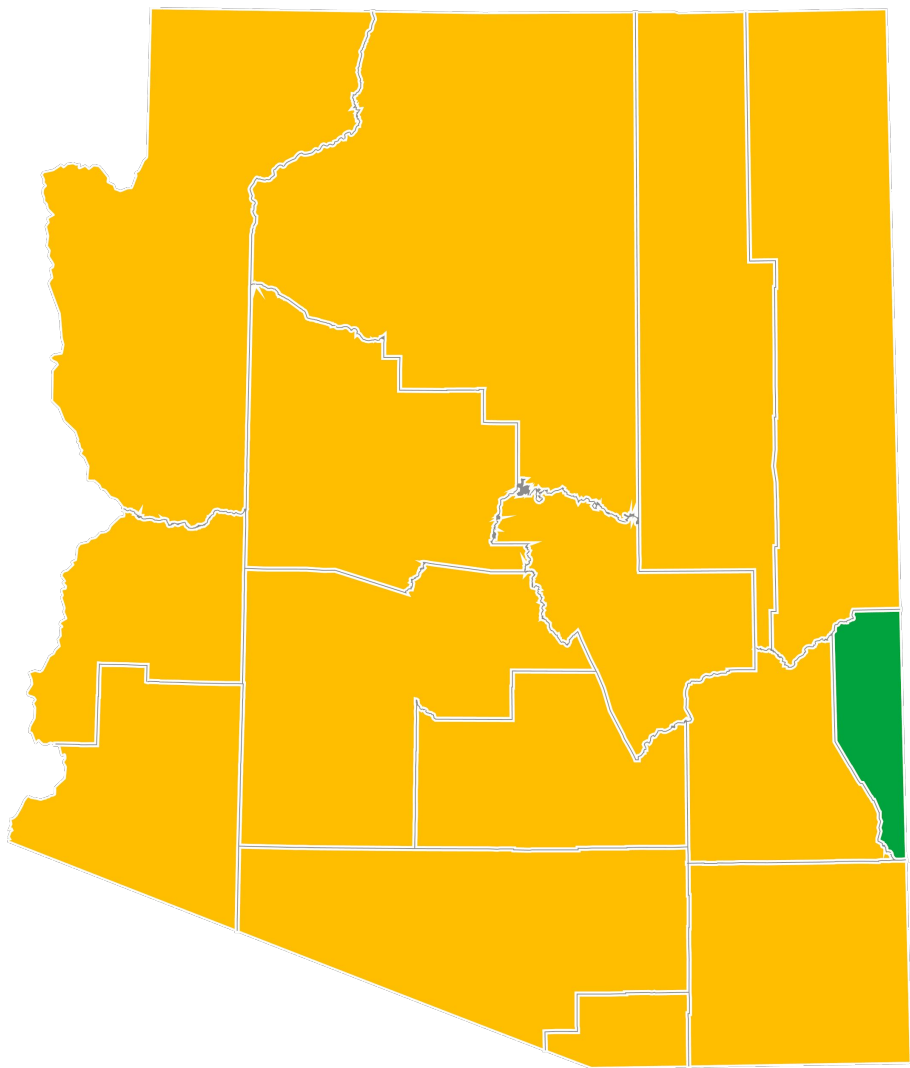


Two Weeks Prior
Week of Oct. 25, 2020



School Benchmarks by County

Data for the weeks of Oct. 25 and Nov. 1



Transmission
Category

Recommended
Delivery Model

Requirements

Substantial

Virtual

Onsite Support Services must
be offered to students

Moderate

Hybrid

Masks and physical distancing
required; no large gatherings

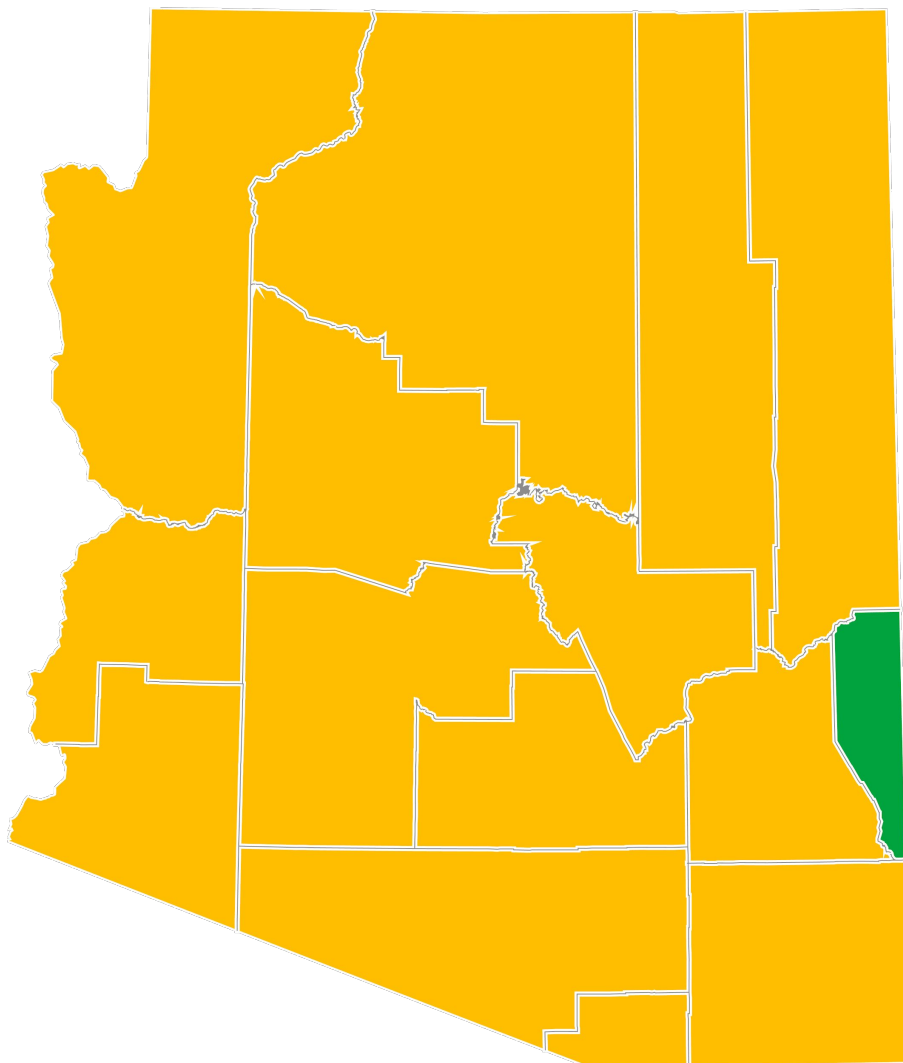
Minimal

Traditional

Masks and physical distancing
required

Business Benchmarks by County

Data for the weeks of Oct. 25 and Nov. 1



Transmission
Category

Open

Paused

Substantial

Restaurants providing dine-in services at 50% occupancy

Bars, Nightclubs, Gyms, Indoor Theaters, Waterparks

Moderate

Restaurants/bars providing dine-in services, theaters, and waterparks at 50%; gyms at 25%

Bars and nightclubs not providing dine-in services

Minimal

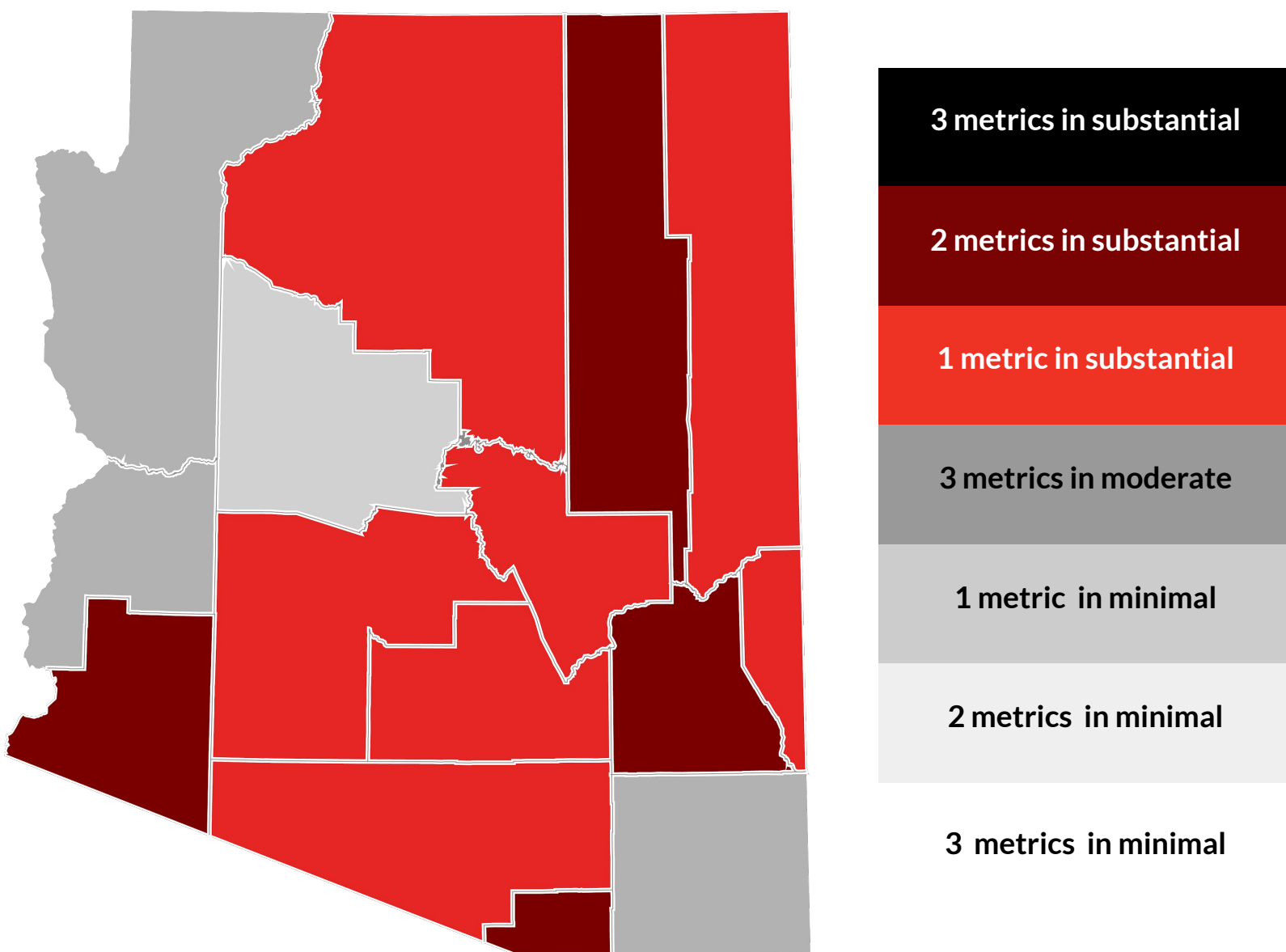
Gyms at 50%; otherwise, same as moderate until <3% positivity, then bars/nightclubs at 50%

Bars/nightclubs not providing dine in services until <3% positivity

For the weeks Oct. 25 and Nov. 1, eleven counties have at least one of their metrics in the substantial category.

The benchmarks were set to establish thresholds for responding to increasing or decreasing COVID-19 transmission and its impacts on Arizona's healthcare system. When all three metrics meet the higher threshold, counties will move into the higher transmission category.

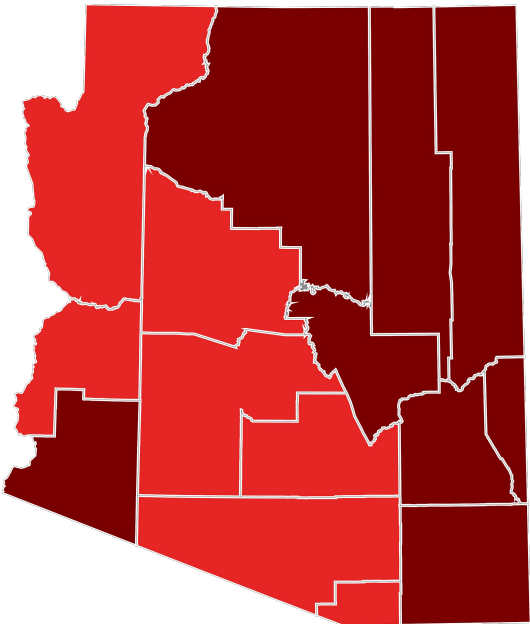
Counties' colors go from light to dark as their risk of moving to substantial transmission category increases.



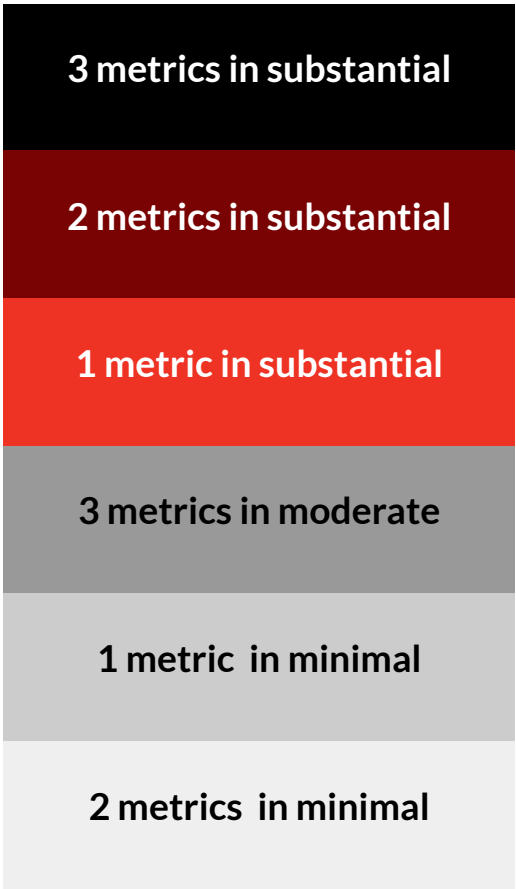
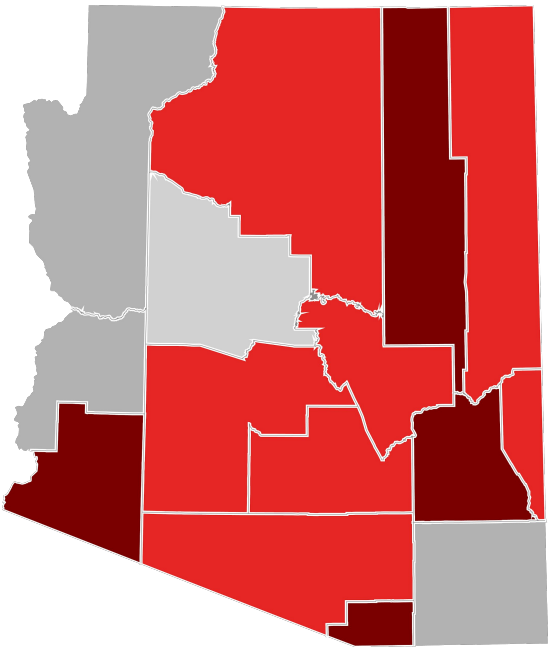
For the weeks Oct. 25 and Nov. 1, eleven counties have at least one of their metrics in the substantial category.

Looking ahead at the benchmarks for the weeks of Nov. 1 and Nov. 8, all 15 counties have a least one of their metrics in the substantial category.

Weeks of Nov. 1-Nov 8, 2020*



Current Dashboard
Weeks of Oct. 25-
Nov. 1, 2020



* Due to delays in reporting, benchmarks for the Weeks of Nov. 1 and Nov. 8 are provisional and subject to change prior to the official posting on the ADHS Business and Schools dashboards.

Business Compliance

4,392 Total complaints submitted to ADHS

2,428 Unique business complaints

2,308 Business complaints with follow-up complete

493 Onsite inspections performed

91% Of onsite investigations performed on weekends

Approximately 92% of the business complaints were closed with technical assistance and/or education on implementing COVID-19 mitigation strategies.

ADHS has implemented several requirements for those businesses that are deemed high-risk with the goal of operating safely with public health as the priority.

The goal of the business compliance work is aiding those businesses in complying with these requirements so they can remain open and protect public health.

35 Average number of daily complaints

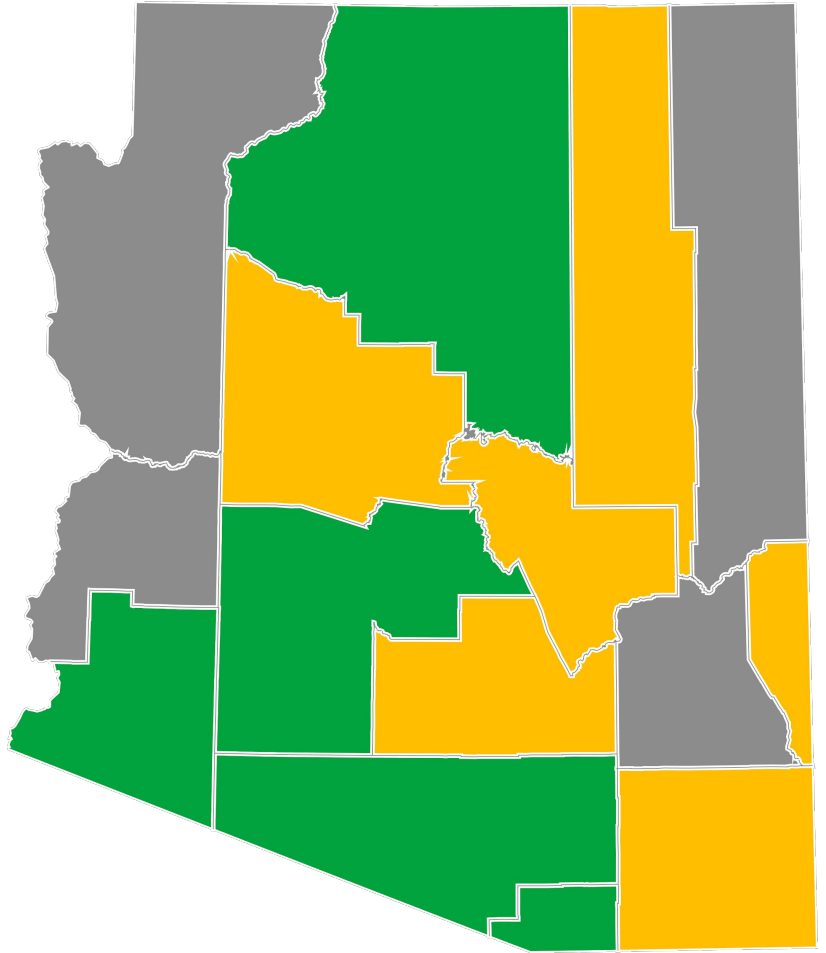
7 Number of counties that have agreed to investigate complaints

32 Number of ADHS investigators following up on complaints

2,065 Number of businesses that have completed attestations

Statewide Mask Requirements

100%
of Arizona has
some type of
mask
requirement



No Mask Requirements

COVID-19 Mitigation Requirements, including masks, at all Schools, Gyms, Restaurants, Bars, Nightclubs, Theaters, Waterparks, Barbershops, Hair and Nail Salons statewide.

Local Mask Requirements

County-wide Mask Requirements

COVID-19 Data Summary

Through Nov. 18, 2020



287,225 cases



6,384 deaths



2,037,288 diagnostic tests



10.9% positivity for the week of Nov. 8